



Dart Hawkesbury  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

*Stole*  
**D066-1016-123**  
**Job Sheet 167513**



**Part No:** D066-1016-123

**Job Qty:** 1 ea

**Part Name:** R66 Basket Fwd Step Upgrade - Fits LH or RH



**Part Weight:** 0 lbs

**Status:** Scheduled

**Priority:** High

**Job Created:** 11/2/17

**Job Tracking No:**

**Due Date:** 11/29/17

**Created By:** Victoria Michaud-Febrille

**Type:** SOLD

**Description:**

**Customer:** RF Assets LLC (CRFAS01)

15460 SW Rock of Ages Road McMinnville, OR, 97128 USA

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation          | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off      |
|-------|--------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|---------------|
|       |                    |       |            |          | Setup hrs | Run Hrs | Workcenter / Supplier | Lead Time |               |
| 90    | Start up Operation | 1 Ea  |            | 11/29/17 | 0.00      | 0.00    | Start Up Stores/Pkg1  |           | <i>Smb</i>    |
| 110   | Packaging          | 1 pcs |            | 11/29/17 | 0.00      | 0.00    | Packaging1            |           | <i>Smb</i>    |
| 120   | QC                 | 1 pcs |            | 11/29/17 | 0.00      | 0.00    | QC4                   |           | <i>11.10.</i> |
| 125   | DC                 | 1 pcs |            | 11/29/17 | 0.00      | 0.00    | DC                    |           | <i>11.10.</i> |
| 130   | Packaging          | 1 pcs |            | 11/29/17 | 0.00      | 0.00    | Packaging3            |           | <i>11.10.</i> |
| 140   | QC21-FG            | 1 Ea  |            | 11/29/17 | 0.00      | 0.00    | QC21                  |           | <i>21</i>     |

Part Op 125 - Photocopy bluefile & type labels per PPP D066-1016-123 CHG001

Descriptions: 130 - Identify and pack for shipping as per PPP D066-1016-123 Location:

*DEC 13 2017*  
*Fgi23*

### Job Allocations

| Operation             | Component Part | Required           | Inventory | Allocated | Std Qty |
|-----------------------|----------------|--------------------|-----------|-----------|---------|
| 90-Start up Operation | AN4-14A        | <i>SO20837</i> 2 ✓ | 218       | 0         | 0       |
|                       | D5510-041      | <i>SO20838</i> 1 ✓ | 0         | 0         | 0       |
|                       | MS21042L4      | <i>SO20840</i> 2 ✓ | 820       | 0         | 0       |
|                       | NAS1149D0463J  | <i>SO20842</i> 1 ✓ | 1,695     | 0         | 0       |

### Part Specifications

Specifications could not be found.

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



# WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

Work Order: \_\_\_\_\_

Part No. \_\_\_\_\_

NCR No. \_\_\_\_\_

Date : \_\_\_\_\_

**Dart Aerospace Ltd.**

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**R66 Basket Fwd Step Upgrade – Fits LH or RH**
**D066 – 1016 – 123**
**Start up Operation**
**Mfg Date: 12/12/17**
**Job No: 167513**
**PART NO:**
**Revision:**
**Operation:**
**Change No:**

## AGAINST DEPARTMENT/PROCESS

|           |                          |            |                          |                     |                          |             |                          |
|-----------|--------------------------|------------|--------------------------|---------------------|--------------------------|-------------|--------------------------|
| Skid-tube | <input type="checkbox"/> | Cross tube | <input type="checkbox"/> | Water Jet           | <input type="checkbox"/> | Engineering | <input type="checkbox"/> |
| Machining | <input type="checkbox"/> | Small Fab  | <input type="checkbox"/> | Prod. Eng. Coord.   | <input type="checkbox"/> | Quality     | <input type="checkbox"/> |
| Forming   | <input type="checkbox"/> | Finishing  | <input type="checkbox"/> | Rec/Store/Packaging | <input type="checkbox"/> | Other       | <input type="checkbox"/> |
| Large Fab | <input type="checkbox"/> | Composite  | <input type="checkbox"/> | Supplier            | <input type="checkbox"/> |             |                          |

QTY Effective : \_\_\_\_\_

MRB (QSI042) Approval

Disposition

Completed By

Lead hand / Supervisor  
Approval VerificationQC / QA Coordinator  
Approval

## FAULT CATEGORY

|                            |                          |                       |                          |                      |                          |
|----------------------------|--------------------------|-----------------------|--------------------------|----------------------|--------------------------|
| Temperature/Cure           | <input type="checkbox"/> | Power Loss/Surge      | <input type="checkbox"/> | Positioned Wrong     | <input type="checkbox"/> |
| Contamination              | <input type="checkbox"/> | Folio/Program         | <input type="checkbox"/> | Outside Dimensions   | <input type="checkbox"/> |
| Damage/Defect              | <input type="checkbox"/> | Grain                 | <input type="checkbox"/> | Over/Under tolerance | <input type="checkbox"/> |
| Non Incomplete/Unqualified | <input type="checkbox"/> | Weld                  | <input type="checkbox"/> | Part Incorrect       | <input type="checkbox"/> |
| Distortion                 | <input type="checkbox"/> | Wrong Stock Pulled    | <input type="checkbox"/> | Part Lost/Missing    | <input type="checkbox"/> |
| Crack                      | <input type="checkbox"/> | Out of Sequence       | <input type="checkbox"/> | Part Moved           | <input type="checkbox"/> |
| Short                      | <input type="checkbox"/> | Off-set               | <input type="checkbox"/> | Drawing              | <input type="checkbox"/> |
|                            |                          | Mislabeled            | <input type="checkbox"/> | Finish               | <input type="checkbox"/> |
|                            |                          | Fit/Function          | <input type="checkbox"/> | Misread              | <input type="checkbox"/> |
|                            |                          | Misaligned/off center | <input type="checkbox"/> | Turning Sequence     | <input type="checkbox"/> |

Root Cause

|                    |                          |
|--------------------|--------------------------|
| Environment        | <input type="checkbox"/> |
| Design             | <input type="checkbox"/> |
| Doc/Data           | <input type="checkbox"/> |
| Equip/Tooling      | <input type="checkbox"/> |
| Handling/Pre       | <input type="checkbox"/> |
| Material           | <input type="checkbox"/> |
| Internal Transport | <input type="checkbox"/> |
| Tribal Knowledge   | <input type="checkbox"/> |
| LOA                | <input type="checkbox"/> |
| Substation         | <input type="checkbox"/> |
| Past Expiry Date   | <input type="checkbox"/> |
| Misidentified      | <input type="checkbox"/> |

|                       |                          |
|-----------------------|--------------------------|
| Product Improvement   | <input type="checkbox"/> |
| Process Improvement   | <input type="checkbox"/> |
| Manufacturing Process | <input type="checkbox"/> |
| Past Due              | <input type="checkbox"/> |

Wave/Twist in Tube  
Marks/ChatterInstructions Incomplete/Unclear  
Drill Holes

OTHER : \_\_\_\_\_



REFERENCE ONLY

## 5.0 PARTS LIST

| Qty<br>-011 | Qty<br>-012 | Qty<br>-111 | Qty<br>-113 | Qty<br>-115 | Qty<br>-121 | Qty<br>-123 | Part Number   | Description                             |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|-----------------------------------------|
| X           |             |             |             |             |             |             | D066-1016-011 | R66 QR HELI-UTILITY-BASKET, LH          |
|             | X           |             |             |             |             |             | D066-1016-012 | R66 QR HELI-UTILITY-BASKET, RH          |
|             |             | X           |             |             |             |             | D066-1016-111 | CROSSTUBE CLAMP KIT                     |
|             |             |             | X           |             |             |             | D066-1016-113 | CROSSTUBE CLAMP + LONGITUDINAL BEAM KIT |
| 1           | 1           |             |             | X           |             |             | D066-1016-115 | BASKET MOUNTING PROVISIONS KIT          |
|             |             |             |             |             | X           |             | D066-1016-121 | FWD LID GAS SPRING UPGRADE (OPTIONAL)   |
|             |             |             |             |             |             | X           | D066-1016-123 | FWD FIXED STEP UPGRADE (OPTIONAL)       |
| 1           |             |             |             |             |             |             | D5337-011     | BASKET ASSEMBLY, LH                     |
|             | 1           |             |             |             |             |             | D5337-012     | BASKET ASSEMBLY, RH                     |
|             |             |             |             |             | 2           |             | D3953-17      | GAS SPRING SPACER                       |
|             |             |             |             |             | 1           |             | D3953-19      | GAS SPRING BRACKET                      |
|             |             |             |             |             | 1           |             | D3953-21      | GAS SPRING BRACKET                      |
|             |             |             |             |             | 2           |             | D3953-3       | GAS SPRING STUD                         |
|             |             |             |             |             | 2           |             | D3953-7       | GAS SPRING SPACER                       |
|             |             |             |             |             | 2           |             | D3953-9       | GAS SPRING WASHER                       |
|             |             |             |             |             | 1           |             | D3969-7       | GAS SPRING                              |
|             |             |             |             | 1           |             |             | D5350-041     | R66 FWD CROSS BEAM ASSEMBLY             |
|             |             |             |             | 1           |             |             | D5350-043     | R66 AFT CROSS BEAM ASSEMBLY             |
|             |             | 4           | 4           | 4           |             |             | D5352-1       | CUSHION                                 |
|             |             | 1           | 1           | 1           |             |             | D5354-041     | R66 FWD CLAMP ASSEMBLY, LH              |
|             |             | 1           | 1           | 1           |             |             | D5354-042     | R66 FWD CLAMP ASSEMBLY, RH              |
|             |             | 2           | 2           | 2           |             |             | D5355-041     | R66 AFT CLAMP ASSEMBLY                  |
| 1           | 1           |             |             |             |             |             | D5357-041     | STRUT ASSEMBLY                          |
|             |             | 2           | 2           | 2           |             |             | D5358-1       | COVER PLATE                             |
|             |             |             | 1           | 1           |             |             | D5445-041     | LONGITUDINAL BEAM ASSEMBLY, LH          |
|             |             |             | 1           | 1           |             |             | D5445-042     | LONGITUDINAL BEAM ASSEMBLY, RH          |
|             |             |             |             |             |             | 1           | D5510-041     | FWD STEP                                |
|             |             |             |             |             | 2           |             | AN310C4       | NUT, CASTELLATED                        |
|             |             |             |             |             | 4           |             | AN3-14A       | BOLT                                    |
|             |             |             | 8           | 8           |             |             | AN4-12A       | BOLT                                    |
|             |             |             |             |             |             | 2           | AN4-14A       | BOLT                                    |
|             |             |             |             | 4           |             |             | MS20392-4C57  | PIN                                     |
|             |             |             |             |             | 4           |             | MS21042L3     | NUT                                     |
|             |             |             |             |             |             | 2           | MS21042L4     | NUT                                     |
|             |             |             |             | 4           |             |             | MS24665-229   | COTTER PIN                              |
|             |             |             |             |             | 2           |             | MS24665-300   | COTTER PIN                              |
|             |             | 8           | 8           | 8           |             |             | MS27151-7     | STAMPED NUT                             |
|             |             |             |             |             | 2           |             | NAS1149C0432R | WASHER                                  |
|             |             |             | 8           | 8           |             | 4           | NAS1149D0463J | WASHER                                  |
|             |             |             |             | 4           |             |             | NAS1149F0563P | WASHER                                  |
|             |             |             |             |             | 8           |             | NAS1149F0332P | WASHER                                  |

## Change Record

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**Part Number:** D066-1016-123

**Description:** BASKET FWD FIXED STEP UPGRADE, LH/RH

[illegible]